

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** October 27, 2005

**Inspector:** Brian Sakidovitch

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** An additional 1.8" of rain fell over 10/24-10/25 bringing October's total rainfall to 15 inches which is an 11-inch departure from the average.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> <li>- Vegetation is growing within the inlet near the Route 7 ramp which helps filter sediment. Silt fence is still partially collapsed and the surrounding stone also helps to filter. The area seems fairly stable. 8/19-10/27/05</li> <li>- Utility work was complete along the New Canaan Ave sidewalk but it is awaiting final concrete placement. 9/29/05-10/27/05</li> </ul>	<ul style="list-style-type: none"> <li>-The area should continue to be monitored to some degree but sediment is being filtered well by the stone and new growth. The silt fence could even be removed with the stone in place. 10/27/05</li> <li>- None at this time. 10/27/05</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>-Excavation work was noted in the yard near the GIS building. Small stockpiles associated with this excavation remain within the yard. 10/27/05</li> <li>- Some excavation also continues at the edge of the ROW and substation yard. 10/27/05</li> <li>-The 345 kV Turning Structure work area is still awaiting removal of jersey barriers and fill due to the additional rain and the need to wait for the area to dry out a little more. 10/27/05.</li> </ul>	<ul style="list-style-type: none"> <li>- This excavation and backfill work is well within the yard and areas are contained. 10/27/05.</li> <li>-Erosion controls in the ROW should be maintained until the foundation/excavation area is stabilized 9/29/05-10/27/05</li> <li>-Before the clean up begins, erosion controls still need to be repaired as necessary. Remaining fill and barriers will be removed and the area restored to original conditions. 10/27/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<ul style="list-style-type: none"> <li>- A catch basin at the southern corner of the GIS building has sediment accumulating either on the fabric within the grate or within the basin itself. 10/27/05</li> <li>- Sedimentation from the access road off the Rt. 7 ramp was noted in the vegetated perimeter swale but it did not leave the site. 9/21/05-10/27/05</li> <li>- Large amounts of stormwater from the Rt. 7 ramp as well as portions of the perimeter of the site continue to flow to the inlet but the vegetation and stone aid filtration. 8/19-10/27/05</li> <li>-The overflow channel had some accumulated sediment at the edge of the river due to the flooding. 10/27/05.</li> <li>- Erosion controls at the turning structure work area need repair/ 10/27/05</li> </ul>	<ul style="list-style-type: none"> <li>- Clear the fabric of sediment and replace protective/control measures. If the sediment has reached inside the basin, clean out any buildup. 10/27/05</li> <li>- Sedimentation and gravel remain contained within the swale. The access road will be paved eventually which will remove the problem. Continue to monitor area until final stabilization. 9/21/05-10/27/05</li> <li>- Continue to monitor the area and the silt fence could be removed as the stone is now in place. 10/27/05</li> <li>- Sediment may need to be removed by hand here in order to restore the original capacity of the channel. This may be done during the adjacent work. 10/27/05</li> <li>- Repair the silt fence as restoration activities begin in the work area, and maintain them until final stabilization. 10/27/05</li> </ul>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<ul style="list-style-type: none"> <li>-The 345kV work area will be restored and materials removed once it has dried out some more. Sediment was noticed at the edge of the overflow channel and the river. 10/27/05</li> <li>- Sheet piling remains intact at the channel entrance as a temporary, partial dam for the work. 10/5-10/27/05</li> </ul>	<ul style="list-style-type: none"> <li>- The remaining temporary fill and jersey barriers will be removed and the site restored to its original condition. 10/27/05</li> <li>-Accumulated sediment will likely need to be removed from the channel at this time. 10/27/05</li> </ul>
<p>State species of concern, threatened and endangered species</p>	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	-Some clearing near the overflow channel and island was necessary to access the work site for the tower. 9/29/05-10/27/05	- Clearing was limited to what is necessary and it will continue to be monitored. 9/29/05-10/27/05
Dewatering	-Dewatering was not observed during this inspection. 10/27/05.	-The slurry pit is part of the work area to be removed and restored. 10/27/05.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	- No drips or leaks were noted on the site at the time of inspection. 10/27/05.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area.  - Report spills to the office immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling.  - All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day.
Additional Observations		

**Next likely scheduled inspection:**

Wednesday, November 2, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden for Brian Sakidovitch

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** October 27, 2005

**Inspector:** Don Ukers

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event:** An additional 1.8" of rain fell over 10/24-10/25 bringing October's total rainfall to 15 inches which is an 11-inch departure from the average.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 10/27/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical and within the control house. 10/27/05. -No further civil or earth disturbing work was noted on site at this time but apparently a construction trailer was returned to the yard. 10/27/05	- The areas are all contained at this time.10/27/05  - Open excavations were not observed at this time. 10/27/05.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard even with the significant rain. 10/27/05	-All stockpiles are well-contained and the berm is working effectively at this time. 10/27/05
	- The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2-10/27/05 - A small stockpile was noted adjacent to the slab but was well within the site. 10/27/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-10/27/05
	- Wetlands are located around	- The stone berm around the

Areas of Inspection	Observation	Recommended Action
Inland Wetland and Watercourse encroachment and mitigation	the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 10/27/05	perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 10/27/05
State species of concern, threatened and endangered species	-The sand pile has been surrounded with safety fence but there seems to be little evidence of a valid nest at this point. 8/19-10/27/05 - The pile may be removed when necessary. 9/15-10/27/05	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. We will continue to monitor the nest as long as the pile remains but it does not appear to be valid at this time. 10/27/05
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering was not observed during the inspection. 10/27/05	- None at this time. 10/27/05
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No leaks or drips had been noted at the site at the time of inspection. 10/27/05	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	- Following completion of a few future scheduled activities, this substation can be removed from the inspection route. 10/27/05	

**Next likely scheduled inspection:**

Wednesday, November 2, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate

and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden for Don Ukers



**Norwalk Substation: Photo on the left shows some excavation/work ongoing in the yard near the GIS building. Photo on the right shows a catch basin near the corner of the GIS building where sediment has built up either on the filter fabric or within the basin. 10/27/05**



**View of the overflow channel at the edge of the river. Sediment has built up here and may need to be removed to retain original capacity of the channel. 10/27/05**





Photo on the left shows the work area near the recently installed 345kV turning structure. Photo on the right shows an additional view of the work area with the jersey barriers and fill to be removed when conditions dry out. 10/27/05.



Plumtree Substation: No additional civil or earth disturbing work is ongoing at the yard at this time. 10/27/05.